



PLEASE NOTE:  
YOU MUST  
COMPLETE THE  
FOLLOWING

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

P.O. Box 747 • Falls Church, Virginia 22040-0747  
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT AND DESIGN APPLICATIONS**

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **POROUS CALCIUM FLUORIDE, ITS PRODUCING METHOD, CATALYST FOR HYDROGENATION REACTION AND METHOD FOR PRODUCING TRIHYDROFLUOROCARBON**

Insert Title:

Fill in Appropriate

Information -  
For Use Without  
Specification  
Attached:

the specification of which is attached hereto. If not attached hereto, the application is identified by the attorney docket number as set forth above and/or the following:

The specification was filed on October 8, 2003 as  
United States Application Number \_\_\_\_\_;  
and amended on \_\_\_\_\_ (if applicable) and/or  
the specification was filed on \_\_\_\_\_ as PCT  
International Application Number \_\_\_\_\_; and was  
amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

Insert Priority  
Information:  
(if appropriate)

(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.

Insert Provisional  
Application(s):  
(if any)

(Application Number)	(Filing Date)
(Application Number)	(Filing Date)

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:

Insert Requested  
Information:  
(if appropriate)

Country	Application Number	Date of Filing (Month/Day/Year)
_____	_____	_____

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s), including for continuation-in-part application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Insert Prior U.S.  
Application(s):  
(if any)

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
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(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
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I hereby appoint the practitioners at **CUSTOMER NO. 02292** as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

**BIRCH, STEWART, KOLASCH & BIRCH, LLP** or **CUSTOMER NO. 02292**

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE:  
YOU MUST  
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THE  
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↓

Full Name of First  
or Sole Inventor:  
Insert Name of  
Inventor →  
Insert Date This  
Document is Signed

Insert Residence  
Insert Citizenship →

Insert Post Office  
Address →

Full Name of Second  
Inventor, if any:  
see above

Full Name of Third  
Inventor, if any:  
see above

Full Name of Fourth  
Inventor, if any:  
see above

Full Name of Fifth  
Inventor, if any:  
see above

Full Name of Sixth  
Inventor, if any:  
see above

GIVEN NAME/FAMILY NAME Akira SEKIYA	INVENTOR'S SIGNATURE <i>Akira Sekiya</i>	DATE* November 11, 2003
Residence (City, State & Country) Tsukuba-shi, Ibaraki, Japan		CITIZENSHIP Japan
MAILING ADDRESS (Complete Street Address including City, State & Country) c/o National Institute of Advanced Industrial Science and Technology Tsukuba Central 5 1-1, Higashi 1-Chome, Tsukuba-shi, Ibaraki 305-8565 Japan		
GIVEN NAME/FAMILY NAME Masanori TAMURA	INVENTOR'S SIGNATURE <i>Masanori Tamura</i>	DATE* November 11, 2003
Residence (City, State & Country) Tsukuba-shi, Ibaraki, Japan		CITIZENSHIP Japan
MAILING ADDRESS (Complete Street Address including City, State & Country) c/o National Institute of Advanced Industrial Science and Technology Tsukuba Central 5 1-1, Higashi 1-Chome, Tsukuba-shi, Ibaraki 305-8565 Japan		
GIVEN NAME/FAMILY NAME Toshiro YAMADA	INVENTOR'S SIGNATURE <i>Toshiro Yamada</i>	DATE* November 10, 2003
Residence (City, State & Country) Chiyoda-ku, Tokyo, Japan		CITIZENSHIP Japan
MAILING ADDRESS (Complete Street Address including City, State & Country) c/o ZEON CORPORATION 6-1, Marunouchi 2-Chome, Chiyoda-ku, Tokyo 100-8323 Japan		
GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP
MAILING ADDRESS (Complete Street Address including City, State & Country)		
GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP
MAILING ADDRESS (Complete Street Address including City, State & Country)		
GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP
MAILING ADDRESS (Complete Street Address including City, State & Country)		



## Declaration and Power of Attorney for Patent Application

### 特許出願宣言書及び委任状

#### Japanese Language Declaration

#### 日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する:

As a below named inventor, I hereby declare that:

私の住所、郵便の宛先そして国籍は、私の氏名の後に記載された通りである。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明において、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である(唯一の氏名が記載されている場合)か、或いは最初、最先且つ共同発明者である(複数の氏名が記載されている場合)と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

POROUS CALCIUM FLUORIDE, ITS

PRODUCING METHOD, CATALYST FOR

HYDROGENATION REACTION AND METHOD

FOR PRODUCING TRIHYDROFLUOROCARBON

上記発明の明細書はここに添付されているが、下記の欄がチェックされている場合は、この限りでない:

the specification of which is attached hereto unless the following box is checked:



\_\_\_\_ の日に出席され、  
この出席の米国出席番号または PCT 国際出席番号は、  
\_\_\_\_ であり、且つ  
\_\_\_\_ の日に補正された出席(該当する場合)

X

was filed on October 8, 2003  
as United States Application Number or  
PCT International Application Number  
\_\_\_\_ and was amended on  
\_\_\_\_ (if applicable).

私は、上記の補正書によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編規則1.56に定義されている、特許性について重要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

## Japanese Language Declaration (日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一国を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)-(d)項又は第365条(b)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日より前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の枠内をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application for which priority is claimed.

Prior Foreign Application(s)  
外国での先行出願

Priority Not Claimed  
優先権主張なし

_____ (Number) (番号)	_____ (Country) (国名)
_____ (Number) (番号)	_____ (Country) (国名)

_____ (Day/Month/Year Filed) (出願日/月/年)
_____ (Day/Month/Year Filed) (出願日/月/年)

☐☐

私は、ここに、下記のいかなる米国仮特許出願についても、その米国法典第35編第119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119 (e) of any United States Provisional application(s) listed below.

_____ (Application No.) (出願番号)	_____ (Filing Date) (出願日)
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_____ (Application No.) (出願番号)	_____ (Filing Date) (出願日)
--------------------------------------	---------------------------------

私は、ここに、下記のいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入手された情報で、連邦規則法典第37編規則1.56に定義された特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

_____ (Application No.) (出願番号)	_____ (Filing Date) (出願日)
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_____ (Status: Patented, Pending, Abandoned) (現況: 特許許可、係属中、放棄)
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_____ (Application No.) (出願番号)	_____ (Filing Date) (出願日)
--------------------------------------	---------------------------------

_____ (Status: Patented, Pending, Abandoned) (現況: 特許許可、係属中、放棄)
--

私は、ここに表明された私自身の知識に係わる陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

# Japanese Language Declaration (日本語宣言書)

委任状: 私は本出願を審査する手続きを行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の弁護士及び/または弁理士を任命する。(氏名及び登録番号を記載すること)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and /or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

The practitioners at BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 02292

書類送付先

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 02292  
P.O. Box 747 Falls Church, VA 22040-0747 U.S.A.  
Telephone : 703-205-8000 Facsimile : 703-205-8080

直通電話連絡先: (氏名及び電話番号)

Direct Telephone Calls to : (name and telephone number)

唯一または第一発明者氏名

Full name of sole or first inventor

Akira SEKIYA

発明者の署名

日付

Inventor's signature

Date

関屋 幸

2003年11月11日

Akira Sekiya

November 11, 2003

住所

Residence

国籍

Citizenship

Japanese

郵便の宛先

Post office address

第二共同発明者がいる場合、その氏名

Full name of second joint inventor, if any

Masanori TAMURA

第二共同発明者の署名

日付

Second inventor's signature

Date

田村 正則

2003年11月11日

Masanori Tamura

November 11, 2003

住所

Residence

国籍

Citizenship

Japanese

郵便の宛先

Post office address

(第三以下の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)

第三共同発明者がある場合、その氏名		Full name of third joint inventor, if any Toshiro YAMADA	
第三共同発明者の署名	日付	Third inventor's signature	Date
X 山田 俊郎	2003年11月18日	Toshiro Yamada	Nov. 18, 2003
住所		Residence	
国籍		Citizenship Japanese	
郵便の宛先		Post office address	
第四共同発明者がある場合、その氏名		Full name of fourth joint inventor, if any	
第四共同発明者の署名	日付	Fourth inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post office address	
第五共同発明者がある場合、その氏名		Full name of fifth joint inventor, if any	
第五共同発明者の署名	日付	Fifth inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post office address	
第六共同発明者がある場合、その氏名		Full name of sixth joint inventor, if any	
第六共同発明者の署名	日付	Sixth inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post office address	